



100%
traceability



64
years in
Fastener

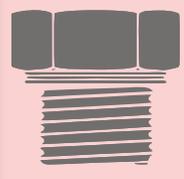


Customer First

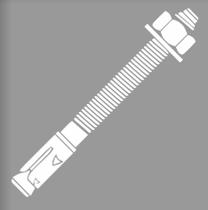


PRECISION AUTO ENGINEERS

"A JOURNEY OF ENGINEERING TO PERFECTION SINCE 1963"



In-house
Testing



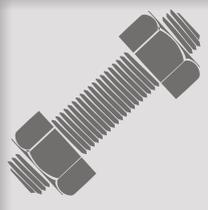
25,000
types



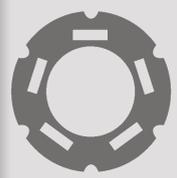
zero
defect
mgmt.



Worldwide Export



In-time
delivery



Experienced
Team

In 1996, We extended our Marketing Arm in Gulf by opening company owned office and warehouse in Dubai. The main aim of opening the office was to serve the gulf market and western part of the world. We are keeping stocks of standardized items for ready dispatch.

With time we have understood the requirements of the companies and started stocking material according to their need. So we have an in-depth knowledge of cyclical fasteners requirement of our regular customers.

In 2017, looking into urgent customized items of overseas customers, We have also started manufacturing some range of fasteners in Dubai.

Office : Frontline Building Material Trading Co. LLC Deira Dubai
Works : Frontline Steel Manufacturing LLC, Dubai Industrial Park, Dubai



Back in 1963 when Precision Bolts & Nuts were scarce in India, we started manufacturing of special purpose fasteners in Ludhiana. With lapse of time, we gained experience & started manufacturing of high tensile fasteners. Today we are well equipped and have all the In-plant facilities for manufacturing of Mild Steel, Hi-Tensile, Stainless Steel, Alloy Steel and Special purpose fasteners. We are an ISO 9001:2008 Certified Co. and approved with Engineers India Limited since 1997 which gave us immense and unmatched experience in Oil and Gas sector. We have been exporting fasteners since 1996 and have knowledge of the requirements of International Market.

We are on the approve list of some of the worlds renowned companies, some of which are...

- Engineers India Limited (EIL)
- Bharat Heavy Electrical Limited (BHEL)
- Bharat Earth Movers Limited (BEML)
- Projects and Developments India Ltd.(PDIL)
- National Fertilizers Limited (NFL)
- Indian Oil Corporation India Ltd. (IOCL)
- Bharat Petroleum Corporation Ltd. (BPCL)
- Gas Authority of India Ltd. (GAIL)
- National Thermal Power Corporation (NTPC)
- Kuwait National Petroleum Company (KNPC)
- Samsung Engineering
- Oil and Natural Gas Corporation (ONGC)



QUALITY MANAGEMENT



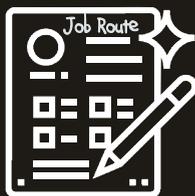
Internal Testing

We issue a Q.NO against each incoming Material and then it undergoes testing as per the testing plan like Visual, Dimension, PMI, Macro etch test, surface crack, upsetting test etc



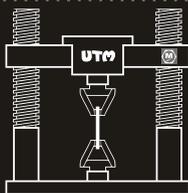
Material Control Card

After the samples have been thoroughly tested and material is found Satisfactory, a Material Control Card is issued. At any point of time, it shows the balance quantity of material against each material & contains the record of WORK ORDERS in which the material from particular Q.NO is used.



In Process Inspection

During all stages of the manufacturing, In-Process Inspection and Test Plan are followed. In-Process Inspection and Test Plan clearly specifies the Parameters to be checked at each stage, acceptance criteria, Frequency of Sampling, Instrument to be used, Format to be used and the concerned department responsible for assurance of particular parameter.



Final Visual & Packing

Final Visual Inspection and Packing is carried out.



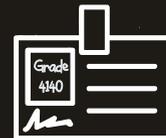
Raw Material Receipt

All the incoming raw material comes with a Metallurgical test report.



NABL Lab Testing

The samples are tested internally first and then sent to NABL accredited lab center for chemical verification. NABL Lab report is kept in record against the Q.NO issued at the first stage.



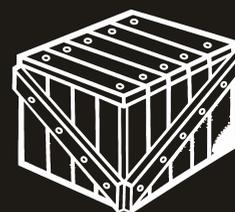
Job Route Card

On receipt of order, A Job Route Card is made of each item. It clearly specifies the Order Number, Delivery Schedule along with Mechanical and Dimensional requirements and Q.NO of material from which the product is going to be manufactured. On the back side of Job Route Card, stage wise and final inspection sheet is attached so that conformance to Quality and checked and maintained at each step.



Mechanical Testing

Samples are taken as per approved QAP/Test Plan and Hardness, Tensile & Impact test is done.



Issue of Test Reports

Final Test certificates specify the Q.NO used against each item, so that material can be Back-tracked and Traceable.

MANUFACTURING FACILITY



HEAT TREATMENT



PMI TESTING



HOT FORGING



COLD FORGING



PLASMA CUTTING



MACHINING



CENTRELESS GRINDING



CNC MILLING



FORGING & PRESS



CNC MACHINING



HYDRAULIC THREADING



DRILLING & TAPPING



IMPACT TESTING



ELECTROPLATING



HOT DIP GALVANIZING



PTFE & XYLAN



UTM



WIRE DRAWING



BAR BENDING



TOOL ROOM

We work on both fixed and flexible manufacturing facility. All the standardized items / mass production items are manufactured on set manufacturing facility. To cater the production of non standardized items and non running sizes, we work on flexible manufacturing. This helps us to manufacture the standardized items in a cost effective manner and at the same time, make the supply of customized products and odd sizes.

DIAMETER CAPACITY :

4 mm to 170 mm for BOLTS & 200 mm for STUDS

LENGTH CAPACITY :

Upto 3.5 meters

COATINGS

ZINC PLATING

CADMIUM PLATING

DACROMET COATING

NICKEL PLATING

PTFE / XLAN COATING

GEOMET COATING

TIN PLATING

MECHANICAL GALVANIZING

EPOXY COATING

HOT DIP GALVANIZING

ALUZINC COATING

MATERIAL GRADES

CARBON STEEL GRADES

4.6, 5.6, 5.8, A36, A307, SA-105, Grade-55

HIGH TENSILE GRADES

A325, A490, 8.8, 10.9, 12.9, 14.9, A193-B5, B6, B6X, B7, B7M, B16, L7, 2H, 2HM, GR 4, GR 7, GR 7M, GR 8, GR 8S.

STAINLESS STEEL
& SPECIAL GRADES

A193-B8, B8M, B8T, 304, 304L, 316, 316L, 316 T1, 316 S31, 316 S33, 317, 318, 410, 321, 409, A4-70, A4-80, A2-70, 310, 660A, Monal, Incol 825, Incol 840, Duplex, Super Duplex, Cupro-Nickel, Silicon Bronze Metal, Aluminium Bronze Metal, Phosphorus Bronze Metal

STANDARDS




Test Certificates & Guarantee Certificate Provided With Material.

Third Party Inspection Agencies :

"LRIS, SGS, BVIS, DNV, GL, BAX, COUNSEL, TUV, EIL, RITES

BOLTS & STUDS



HEX BOLTS



A325/A490 BOLTS



ALLEN BOLTS



STUD BOLTS



U - BOLTS



HSFG BOLTS



BENZO BOLTS



FLANGE BOLTS



EYE BOLTS



LIFTING EYE BOLTS



C.S.K BOLTS



BRASS BOLTS



CARRIAGE BOLTS



MUSHROOM HEAD
SQUARE NECK BOLTS



GRUB SCREW



LINER BOLTS



T-BOLTS



RACK BOLTS



FINNECK BOLTS



GUARDRAIL BOLTS

BOLTS & STUDS



SHEAR STUDS



DOUBLE ENDED STUDS



DRAWN ARC STUDS



SHOULDER BOLTS



SA-105 PLUGS



WELD STUDS



SHOVEL BOLTS



TRACK SHOE BOLTS



ROCK BOLTS



EXPANSION BOLTS



FANG BOLTS



CURVED TUNNEL BOLTS



FISH BOLTS



LOCKING BOLTS



SQUARE HEAD BOLTS



TSB BOLTS



HUB BOLTS



BUCKET BOLTS



WING BOLTS



PLASTIC BOLTS

ANCHORS



J TYPE ANCHOR



L TYPE ANCHOR



STRAIGHT ANCHOR



Y TYPE ANCHOR



ANCHOR FASTENERS



CHEMICAL ANCHOR



CONCRETE SCREW ANCHOR



HOOK ANCHOR



T HEADED ANCHOR



CUSTOMISED ANCHOR



TIE RODS



DOWEL BARS

THREADED BARS



WASHERS



PLAIN WASHER



PLATE WASHER



SPRING WASHER



F436 HEAVY WASHER



SERRATED WASHER



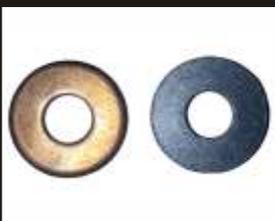
HILLSIDE WASHER



EPDM WASHER



DTI WASHER



BI-METALLIC WASHER



BELLEVILLE WASHER



SQUARE WASHER



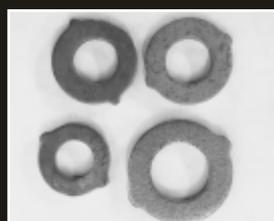
NYLON WASHER



BRASS WASHER



CUP WASHER



STRUCTURAL WASHER



WAVE SPRING WASHER



STAR WASHER



EXTERNAL TOOTH WASHER



INTERNAL TOOTH WASHER



TAPER WASHER

SCREWS



SELF DRILLING SCREW (SDS)



SELF TAPPING SCREW (STS)



COACH SCREW



COLLATED SCREW



DRYWALL SCREW



MACHINE SCREW



BI-METAL SCREW



CHIPBOARD SCREW



SLEEPER SCREW



WOOD SCREW

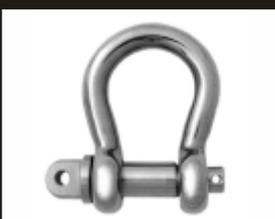


SDS WITH EPDM WASHER

CLEVIS & SHACKLES



TURN BUCKLES



BOW SHACKLE



D SHACKLE



CLEVIS PIN



ROD CLEVIS

NUTS



HEX NUTS



FLANGE NUTS



NYLOCK NUTS



COLLAR NUTS



SPINDLE NUTS



WELD NUTS



WING NUTS



SELF LOCKING NUTS



CASTLE SLOTTED NUTS



SPRING NUTS



CHECK NUTS



WHEEL NUTS



COUPLING NUTS



DOOMED NUTS



SILICON BRONZE NUTS



SELF LOCKING NUTS



PICOT & CAGE NUTS



TEE NUTS (FOUR PRONG)



METAL LOCK NUTS



ANTI THEFT NUTS



HEX NUT ADAPTOR



TAPER NUTS

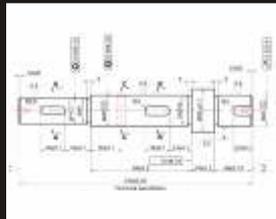


RIVETS



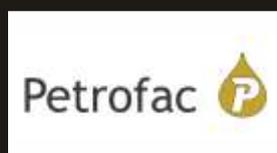
PIPE FITTING NUTS

CUSTOMIZED FASTENERS



ACHIEVEMENTS

We are on the approved list of some of the World's renowned companies, some of which are...



Our Products are used in critical application areas.



ELEVATED BRIDGES



WIND MILL



DESALINATION PLANT



SOLAR PROJECTS



ELECTRICITY



OFFSHORES



PEB / STEEL STRUCTURES



HEAVY EARTH MOVERS



THERMAL POWER



PRESSURE VESSELS



SHIP BUILDING



NUCLEAR POWER



GAS PIPE LINES



AUTOMOBILES



OIL & GAS



FERTILIZER PLANT

Works :

PRECISION AUTO ENGINEERS

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Website : www.PAEsteel.com, www.PrecisionFasteners.com
Email : info@paesteel.com, studfastener@gmail.com, usa@paesteel.com

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Near Marmar Hotel, Yusuf Baker Road, Deira, Dubai - U.A.E.

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SCAN TO VISIT OUR WEBSITE